

Table 14.15
Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

SEER Incidence and U.S. Mortality
Age-Adjusted Rates and Trends^a
By Race/Ethnicity and Sex

| SEER Incidence | SEER 18 Areas ^b Rate 2008-2012 | | | SEER 13 Areas ^b Trend 2003-2012 ^c | | | SEER 9 Areas ^b Trend 2003-2012 ^d | | |
|----------------------------------|----------------------------------------------|-------|---------|------------------------------------------------------------|-------|---------|-----------------------------------------------------------|-------|---------|
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 8.2 | 12.7 | 4.3 | 3.1* | 3.4* | 2.4* | 4.0* | 3.8* | 2.7* |
| White | 7.2 | 11.2 | 3.7 | 4.2* | 3.9* | 3.6* | 4.6* | 4.0* | 4.1* |
| White Hispanic ^e | 13.1 | 19.9 | 7.3 | 3.1* | 3.2* | 2.5* | - | - | - |
| White Non-Hispanic ^e | 6.3 | 9.8 | 3.2 | 4.1* | 3.6* | 3.7* | - | - | - |
| Black | 9.8 | 16.2 | 4.8 | 3.8* | 4.2* | 2.8* | 3.9* | 3.9* | 2.8* |
| Asian/Pacific Islander | 13.7 | 20.9 | 7.9 | -0.9 | 0.5 | 0.3 | - | - | - |
| Amer Ind/Alaska Nat ^f | 13.6 | 19.9 | 8.4 | 2.7* | 3.3* | 1.4 | - | - | - |
| Hispanic ^e | 12.5 | 19.1 | 7.0 | 3.1* | 3.2* | 2.5* | - | - | - |
| U.S. Mortality ^g | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 6.0 | 8.8 | 3.5 | 2.7* | 2.8* | 2.1* | | | |
| White | 5.5 | 8.1 | 3.3 | 2.9* | 2.9* | 2.1* | | | |
| White Hispanic ^e | 9.4 | 13.6 | 5.9 | 2.0* | 2.0* | 1.7* | | | |
| White Non-Hispanic ^e | 5.2 | 7.6 | 3.1 | 2.8* | 2.9* | 2.0* | | | |
| Black | 7.9 | 12.5 | 4.3 | 2.6* | 2.3* | 1.0* | | | |
| Asian/Pacific Islander | 9.8 | 14.5 | 6.1 | -0.8* | -0.8* | -0.6* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 6.8 | 9.5 | 4.6 | 1.6* | 1.6* | 1.1 | | | |
| CHSDA Counties | 9.8 | 13.9 | 6.3 | 2.1* | 2.5* | 1.3 | | | |
| Non-CHSDA Counties | 3.5 | 4.5 | 2.5 | 1.8 | 1.4 | 2.8* | | | |
| Hispanic ^e | 8.9 | 12.9 | 5.6 | 1.9* | 1.9* | 1.6* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, and Rural Georgia.

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

^e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

^f Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

^g US Mortality Files, National Center for Health Statistics, CDC.

^h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

* The APC is significantly different from zero (p<.05).